

1901.
 Oct. 24. Nova white and No. 58 deep orange in the 10-inch.
 25. No. 64 is light orange and No. 70 orange-red in the 10-inch, power 90. (R.)
 31. In the 10-inch, power 90, Nova is white and is $\frac{1}{3}$ rd mag. fainter than No. 58, which is deep orange.

The observers were : Dr. Rambaut, indicated by A.A.R.

Mr. Wickham, „ W.

Mr. Robinson, „ R.

Mr. McClellan, „ C.

Radcliffe Observatory, Oxford :

1901 November 7.

Additional Note on the Green Flash. By W. H. Pickering.

(Communicated by the Secretaries.)

During a recent sea trip I made some further observations upon the green flash at sunset. I was some five or six miles off the Massachusetts coast, and my assistant, Mr. E. R. Cram, and I were watching the Sun set over the land, which was very low at this place. The horizon was fairly clear, and just as the Sun was on the point of disappearing the last ray turned to both of us a bright green. The effect was not so marked, however, as in the sunset I had previously witnessed off the Cuban coast. The next morning Mr. Cram saw the Sun rise out of the ocean, but no unusual colour was observed.

The effect is so marked at sunset that it is singular that it should not have been more generally noticed heretofore. The explanation it seems to me, however, is simple. The effect, I presume, is subjective, and merely a case of complementary colours, like the well-known experiment of gazing fixedly at a red wafer on a white background, then looking away, and seeing a green one in its place. The fact that my assistant could not see it at sunrise, although entirely prepared to do so, confirms this view.

Harvard Observatory :

1901 October 8.

Ephemeris for Physical Observations of the Moon for 1902.

By A. C. D. Crommelin.

Greenwich Midnight.	Selenographical Colong. Lat. of the Sun.		Geocentric Libration				C.
			Sel. Long. of the Earth.	Lat.	Combined Amount.	Direc- tion.	
1902.							
Jan.	1	178°16' + 1°33'	+ 5°41'	+ 3°03'	6°20'	299°3'	24°28'
	2	190°32' 1°34'	+ 4°18'	+ 1°73'	4°52'	292°5'	22°83'
	3	202°49' 1°35'	+ 2°80'	+ 0°38'	2°83'	277°7'	20°39'
	4	214°66' 1°36'	+ 1°36'	- 0°98'	1°68'	234°2'	17°06'
	5	226°84' 1°37'	- 0°06'	- 2°30'	2°30'	178°5'	12°93'
	6	239°02' 1°38'	- 1°38'	- 3°53'	3°79'	158°6'	8°16'
	7	251°20' 1°39'	- 2°55'	- 4°61'	5°27'	151°1'	2°95'
	8	263°39' 1°40'	- 3°53'	- 5°50'	6°54'	147°3'	357°57'
	9	275°58' 1°41'	- 4°29'	- 6°14'	7°49'	145°1'	352°26'
	10	287°77' 1°42'	- 4°84'	- 6°50'	8°11'	143°3'	347°33'
	11	299°96' 1°43'	- 5°18'	- 6°54'	8°35'	141°6'	343°00'
	12	312°14' 1°44'	- 5°33'	- 6°24'	8°21'	139°5'	339°49'
	13	324°32' 1°45'	- 5°31'	- 5°61'	7°72'	136°6'	336°95'
	14	336°50' 1°46'	- 5°11'	- 4°66'	6°92'	132°4'	335°54'
	15	348°67' 1°47'	- 4°74'	- 3°44'	5°86'	126°0'	335°39'
	16	0°83' 1°48'	- 4°19'	- 2°01'	4°65'	115°6'	336°59'
	17	12°99' 1°48'	- 3°43'	- 0°43'	3°46'	97°1'	339°20'
	18	25°13' 1°49'	- 2°47'	+ 1°19'	2°74'	64°3'	343°16'
	19	37°27' 1°50'	- 1°30'	+ 2°76'	3°05'	25°2'	348°34'
	20	49°41' 1°51'	+ 0°04'	+ 4°17'	4°17'	359°4'	354°38'
	21	61°54' 1°52'	+ 1°46'	+ 5°31'	5°51'	344°6'	0°82'
	22	73°66' 1°52'	+ 2°87'	+ 6°09'	6°73'	334°8'	7°11'
	23	85°79' 1°53'	+ 4°15'	+ 6°48'	7°69'	327°4'	12°79'
	24	97°91' 1°53'	+ 5°17'	+ 6°47'	8°28'	321°4'	17°51'
	25	110°04' 1°53'	+ 5°82'	+ 6°07'	8°41'	316°2'	21°09'
	26	122°18' 1°53'	+ 6°06'	+ 5°34'	8°08'	311°4'	23°44'
	27	134°31' 1°53'	+ 5°88'	+ 4°35'	7°31'	306°5'	24°58'
	28	146°46' 1°53'	+ 5°28'	+ 3°17'	6°16'	301°0'	24°56'
	29	158°61' 1°53'	+ 4°34'	+ 1°87'	4°73'	293°3'	23°42'
	30	170°77' 1°52'	+ 3°15'	+ 0°52'	3°19'	279°4'	21°28'
	31	182°93' 1°52'	+ 1°80'	- 0°84'	1°99'	245°0'	18°20'
Feb.	1	195°10' 1°52'	+ 0°38'	- 2°16'	2°19'	190°0'	14°29'
	2	207°27' 1°51'	- 1°00'	- 3°39'	3°53'	163°6'	9°72'
	3	219°45' 1°51'	- 2°26'	- 4°48'	5°02'	153°2'	4°65'
	4	231°63' + 1°50'	- 3°22'	- 5°39'	6°28'	149°1'	359°30'